

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number
WO 2005/006637 A3

(51) International Patent Classification⁷: **H04B 1/10**,
G06F 17/10

P. [US/US]; 1581 Route 202, #124, Pomona, NY 10970 (US). WANG, Shu-Shaw [US/US]; 1803 Longbranch Court, Arlington, TX 76012 (US).

(21) International Application Number:
PCT/US2004/021261

(74) Agent: KELLY, Robert, H.; Scheef & Stone, L.L.P., 5956 Sherry Lane, Suite 1400, Dallas, TX 75225 (US).

(22) International Filing Date: 30 June 2004 (30.06.2004)

(25) Filing Language: English

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
60/483,662 30 June 2003 (30.06.2003) US

(71) Applicant (for all designated States except US): NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(71) Applicant (for LC only): NOKIA, INC. [US/US]; 6000 Connection Drive, Irving, TX 75039 (US).

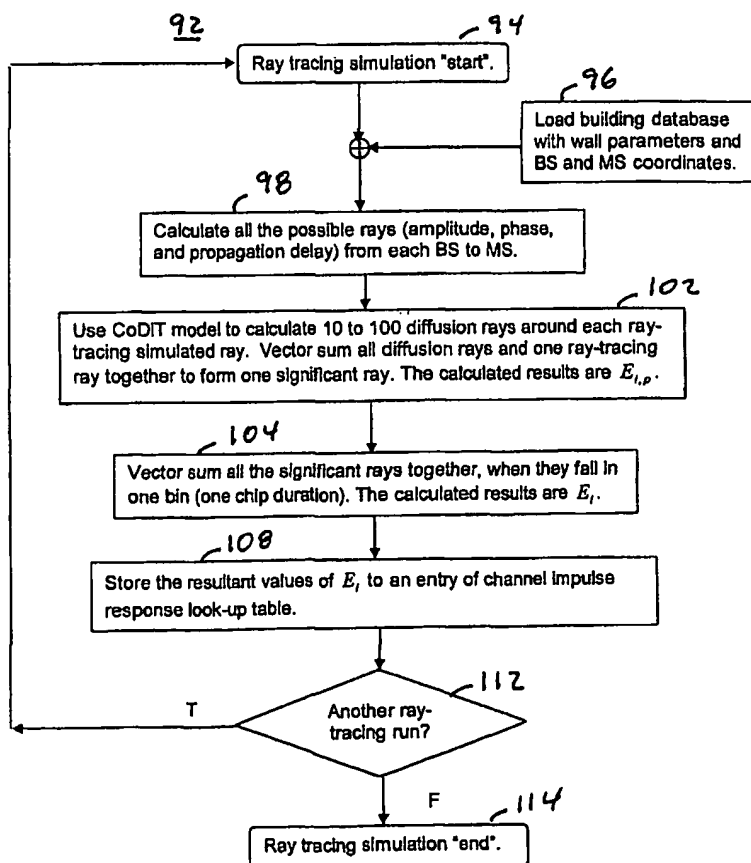
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

(72) Inventors; and

(75) Inventors/Applicants (for US only): GREEN, Marilyn,

[Continued on next page]

(54) Title: EMULATING SYSTEM, APPARATUS, AND METHOD FOR EMULATING A RADIO CHANNEL



(57) Abstract: An apparatus (56), and an associated method (92), for modeling a channel impulse response of a radio channel. The model (56) emulates an actual radio channel is formed of non-diffuse as well as diffuse (44) components. The model (56) is used, for example, to test mobile stations (14) for their compliance with E-911 phase II mandates.

WO 2005/006637 A3



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
28 July 2005

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.